## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	777	s-s near3 prodrug	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:20
.L2	0	s-s near3 prodrug and ycyy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:20
L3	157	s-s near3 prodrug and cysteine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:20
L4	1	s-s near3 prodrug and cysteine and somatostatin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:21
L5	0	s-s near3 prodrug and cysteine and sstr	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:21
L6	113	s-s near3 prodrug and cysteine and cancer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:21
L7	201117	disulfide.clm. or s-s.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:22
L8	201117	disulfide.clm. or "s-s".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR ·	ON	2007/01/07 20:22
L9	.22623	prodrug.clm. or conjugate.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:22
L10	4273	18 same 19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:22
L11	890	18 same 19 and cancer.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:23

## **EAST Search History**

L12	39	18 same 19 and cancer.clm. and cysteine.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 20:22
L13	. 68	18 same 19 and somatostatin.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON .	2007/01/07 21:29
L14	1	l8 same l9 and somatostatin.clm. and sstr	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 21:29
L15	68	18 same 19 and somatostatin.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 21:29
L16	14	l8 same l9 and somatostatin.clm. and cancer.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 21:32
L17	6	conjugate same sstr	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 21:35
L18	61	conjugate same cancer same somatostatin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR .	ON	2007/01/07 21:36
L19	47	conjugate same cancer same somatostatin same peptide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 21:36
L20	0	conjugate same cancer same somatostatin same peptide same (disulfide or thiol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/07 21:36

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NEWS 27
         DEC 18
                 CA/CAplus patent kind codes updated
NEWS 28
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                 to 50,000
NEWS 29
         DEC 18
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         DEC 27
                 CA/CAplus enhanced with more pre-1907 records
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TITLE: The gastrins: Their production and biological activities.

AUTHOR: Dockray G.J.; Varro A.; Dimaline R.; Wang T.

CORPORATE SOURCE: G.J. Dockray, Physiological Laboratory, University of

Liverpool, Liverpool L69 3BX, United Kingdom.

g.j.dockray@liverpool.ac.uk

SOURCE: Annual Review of Physiology, (2001) Vol. 63, pp. 119-139.

Refs: 131

ISSN: 0066-4278 CODEN: ARPHAD

COUNTRY: United States

DOCUMENT TYPE: Journal; General Review

FILE SEGMENT: 002 Physiology

O06 Internal Medicine
O22 Human Genetics

029 Clinical Biochemistry

048 Gastroenterology

LANGUAGE: English SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 10 May 2001

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AB Gastric epithelial organization and function are controlled and maintained by a variety of endocrine and paracrine mediators. Peptides encoded by the gastrin gene are an important part of this system because targeted deletion of the gene, or of the gastrin-CCK(B) receptor gene, leads to decreased numbers of parietal cells and decreased gastric acid secretion. Recent studies indicate that the gastrin precursor, pre-progastrin, gives rise to a variety of products, each with a distinctive spectrum of biological activity. The conversion of progastrin to smaller peptides is regulated by multiple mechanisms including prohormone phosphorylation and secretory vesicle pH. Progastrin itself stimulates colonic epithelial proliferation; biosynthetic intermediates (Glygastrins) stimulate colonic epithelial proliferation and gastric epithelial differentiation; and C-terminally amidated gastrins stimulate colonic proliferation, gastric. epithelial proliferation and differentiation, and acid secretion. The effects of progastrin-derived peptides on gastric epithelial function are mediated in part by release of paracrine factors that include histamine, epidermal growth factor (EGF)-receptor ligands, and Reg. The importance of the appropriate regulation of this system is shown by the observation that prolonged moderate hypergastrinemia in transgenic mice leads to remodelling of the gastric epithelium, and in the presence of Helicobacter, to gastric cancer.

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